

Subject Index to Volume 32

A

- Acetaminophen glucuronide**
hepatic glycogen reflected by, E766
- Acid-base balance**
and cysteine metabolism, E910
- Acrosome reaction**
atrial natriuretic peptide and, E216
- Activin A**
glycogenolytic action of, attenuation in intact liver, E846
- Acute-phase protein**
production in human hepatocytes, E323
- Acyl-CoA:cholesterol acyltransferase**
activity, effects of dexamethasone on, E642
- Adipocytes**
insulin-stimulated glycogen synthesis, arginine metabolism and, E61
lipolysis, regional differences in, in premenopausal women, E341
- Adipose tissue**
see also **Fat, body**
brown, polyunsaturated fatty acids and, E351
cholesteryl ester transfer activity in, in rat vs. hamster, E99
glucose uptake, in adrenalectomized GTG-obese mice, E927
lipolysis in, effects of training on, E1059
response to somatotropin, in swine, E627
- Adiposity**
see also **Obesity**
and insulin action-fiber type relationship in specific muscle groups, E150
- Adrenalectomy**
effects on glucose metabolism, in GTG-obese mice, E927
- Adrenal gland**
blood flow, responses to fetal hypoxia, E598
- Adrenal medulla**
catecholamine release from, stimulation by pituitary adenylate cyclase-activating polypeptide, E903
secretagogue for, pituitary adenylate cyclase-activating polypeptide as, E903
- α -Adrenergic receptors**
 α_2
expression in pancreatic β -cells, regulation by glucocorticoids, E162
and feeding, in dogs, E991
in muscle thermogenesis, E960
- β -Adrenergic receptors**
in muscle thermogenesis, E960
- Adrenocorticotrophic hormone (corticotropin)**
bioactive
in response to hemorrhage and resuscitation, E53
secretion, regulation in fetal sheep, E1076
immunoreactive
in response to hemorrhage and resuscitation, E53
secretion, regulation in fetal sheep, E1076
responses, after hemorrhage and resuscitation, in dogs, E53

- secretion
and adrenal blood flow responses to fetal hypoxia, E598
in adult sheep, cortisol feedback and, E10
in fetal sheep, regulation of, E1076
 - Aging**
 β -cell function and, E983
effects on glucose regulation during wakefulness and sleep, E1006
insulin resistance in, E591
in men, testosterone levels in, effects on skeletal muscle strength and protein synthesis, E820
 - Aldosterone**
in response to hemorrhage and resuscitation, E53
 - American Physiological Society**
publications policy, E611
 - Amino acids**
gluconeogenic, in postabsorptive humans, E443
plasma, [15 N]ammonia incorporation into, quantification of, E508
stable tracer, in measurement of gut mucosal protein synthesis, E996
 - Ammonia**
metabolism, E508
 - Anabolism**
effects of IGF-I with GH, E368
 - Angiotensin II**
diabetic neuropathy and, E530
in response to hemorrhage and resuscitation, E53
trophic effects on neonatal cardiac myocytes, E426
 - Anorexia**
neuropeptide Y and IL-1 β in, E852
 - Apolipoproteins**
variation during menstrual cycle, E1101
 - Arginine**
intake, effects on urea production and excretion, E884
kinetics, effects of arginine supplementation on, E884
metabolism, insulin-stimulated glycogen synthesis and, E61
 - Arginine vasopressin**
ACTH secretion and
in adult sheep, E10
in fetal sheep, E1076
effects on insulin release, E1095
 - Arginine vasopressin receptors**
V $_{1b}$, in vasopressin- and oxytocin-induced insulin release, E1095
 - ARL 15 cells**
GLUT-1 partitioning to plasma membrane in, thyroid hormone effects on, E605
 - Atherosclerosis**
role of glucocorticoids in, E642
 - Atrial natriuretic peptide**
induction of acrosomal exocytosis in bull sperm, E216
- ## B
- Bicarbonate**
kinetics, in humans, three-compartment model, E183

- Blood pressure**
see also **Hypertension**
regulation, studies in transgenic animals, E793
 - Body composition**
age-related changes in, and insulin responsiveness, E591
 - Body fat distribution**
and glucose metabolism, in adolescent obesity, E118
metabolic correlates with, E341
 - Bone**
mechanotransduction in, E438
morphogenesis, osteoblast differentiated function in, E918
- ## C
- Caffeine**
metabolic effects, in lean and obese women, E671
 - Calcitriol**
circulating, and active calcium transport, in pregnant rats, E934
 - Calcium channels**
L-type, in parathyroid cells, E864
in parathyroid cells, regulation by extracellular calcium and channel blockers, E864
 - Calcium ions**
active transport, in duodenum, suppression by ketoconazole in pregnant rats, E934
cytosolic
oscillations, in ionomycin-stimulated phasic myometrial contractions, E779
in tumoral corticotrophs, E451
in melatonin inhibition of GnRH-induced LH release from neonatal gonadotrophs, E85
and muscarinic receptor stimulation on porcine chromaffin cells, E43
 - Caloric restriction**
see also **Fasting**
and somatotropin, effects on body composition and adipose metabolism in Zucker rat, E137
 - Carbohydrates**
metabolism, during exercise, arterial Po $_2$ and, E409
 - Carbohydrates, dietary**
in neonatal rats
effects on pancreatic insulin secretion, in adults and progeny, E731
metabolic effects of, persistence in progeny, E731
 - Carbon dioxide**
production, measurement in estimation of energy expenditure, bicarbonate-urea method, E172
 - Carbon monoxide**
[15 O], in studies of effect of insulin on muscle blood volume, E1000
 - Cardiomyocytes**
hypertrophic response to angiotensin II, cardiac fibroblasts and, E426
 - Catecholamines**
clearance, placental, E145

- Catecholamines** (*continued*)
release from adrenal medulla, stimulation by pituitary adenylate cyclase-activating polypeptide, E903
- Cation channels**
nonselective, in parathyroid cells, E864
selective, on porcine chromaffin cells, E43
- Central nervous system**
gene regulation in, E393
- Cervix, uterine**
phospholipase A₂ in, in late pregnancy and parturition, E940
- Chloride channels**
large-conductance, recording of, in normal lactotrophs, E969
- Chloride ions**
intake, effects on acid-base balance and cysteine catabolism, E910
- Cholesterol**
metabolism, ontogeny in sheep, E331
synthesis, diurnal rhythmicity in humans, E489
effect of meal timing on, E878
- Cholesteryl ester transfer protein**
activity in adipose tissue, in rat vs. hamster, E99
- Chromaffin cells**
cation channel on, E43
- Circadian rhythm**
cholesterol synthesis in humans and, E489, E878
of glucose tolerance, age-related changes in, E1006
- Cori cycle**
in postabsorptive humans, E443
- Corticosteroid binding globulin**
serum, effects of postprandial free fatty acids on, E1067
- Corticotrophs**, *see* **Pituitary gland, corticotrophs**
- Corticotropin-releasing factor**
ACTH secretion and
in adult sheep, E10
in fetal sheep, E1076
- Cortisol**
feedback, in adrenalectomized adult sheep, E10
plasma, diurnal rhythmicity in humans, E489
- Counterregulatory hormones**
acute-phase protein production in human hepatocytes and, E323
- C-reactive protein**
production in human hepatocytes, E323
- Cysteine**
catabolism, acid-base balance and, E910
- Cytokines**
in anorexia and pyrexia in rat, E852
- D**
- Deferoxamine**
and glucose transport, E1052
- Denervation**
effects on lactate transport in rat skeletal muscle, E679
malonyl-CoA in skeletal muscle and, E283
- Dexamethasone**
and lipid accumulation by macrophages, E642
- Diabetes mellitus**
experimental, plasminogen metabolism in, E1017

- insulin-resistant, compensatory signaling in, E759
insulin secretion in, E478
metabolic and mitogenic effects of hepatectomy in, rat model of, E691
nerve function and regeneration in, effects of ZD-7155 on, E530
non-insulin-dependent (NIDDM) and aging, E983
delayed development of, magnesium supplementation and, E745
glucose utilization in, iron and, E1052
glycogen synthase protein in muscle in, E27
metabolic response to exercise in, E583
pathophysiology of, *ob/ob* mouse model, E623
prevention of, in Zucker rat, and insulin secretory defects, E786
retinal blood flow abnormalities in, vitamin E and, E239
streptozotocin-induced, effects of IFN- γ on, E1089
- Dopamine**
secretion, stimulation by IL-1 α , through type II protein kinase A, E1083
- Drugs**
agonist-antagonist, receptor binding, regulation of, E341
- Duodenum**
active calcium transport, suppression by ketoconazole, in pregnant rats, E934

E

- Endocrinology**
mathematical modeling as tool for advanced research in, E377
- Endocytosis**
receptor-mediated, nartograstim clearance in rat bone marrow and, E1
- Endothelial cells**
retinal, vitamin E and, E239
- Energy**
metabolism, effects of caffeine on, in lean and obese women, E671
- Energy expenditure**
estimation, bicarbonate-urea method, E172
- Epithelial cells**
intestinal, expression of IGF-II and IGF binding proteins in, E804
- Estradiol**
effects on plasma lipids and apolipoproteins, E1101
- Estrogen**
oxytocin mRNA regulation during lactation and, E76
- Exercise**
adaptation to, glucose turnover and muscle oxidative potential in, E222
carbohydrate metabolism during, arterial P_{O₂} and, E409
effects on glycogen turnover, E1031
glycogen turnover and fat oxidation in effects of nutritional state on, E1031
effects of training on, E1059
lactate-supplemented recovery from, muscle glyconeogenesis in, substrate pools and, E538
metabolic response to, in non-insulin-dependent diabetes mellitus, E583

- muscle pyruvate dehydrogenase activity during, E458
- Eye**
retina, diabetic vascular disease in, vitamin E and, E239

F

- Fasting**
effects on glycogen synthesis, in dogs, E766
exercise during, effects on glycogen turnover and fat oxidation, E1031
- Fat, body**
see also **Adipose tissue; Obesity**
distribution
and glucose metabolism, in adolescent obesity, E118
metabolic correlates with, E341
- Fatty acids**
long-chain, biosynthesis, study using deuterated water, E247
plasma, oxidation, isotopic determination of, E649
polyunsaturated, brown adipose tissue and, E351
- Feedback**
corticosteroid, in resuscitation, E53
cortisol, in adrenalectomized adult sheep, E10
receptor-mediated, control of endogenous ligands, E379
- Feeding behavior**
 α_2 -adrenoceptors and, in dogs, E991
neuropeptide Y and IL-1 β in, E852
- Fetus**
bioactive ACTH and immunoreactive ACTH secretion, in sheep, E1076
glucose oxidation rate, E834
glucose supply, uteroplacental glucose metabolism and, E299
hypoxia, adrenal blood flow responses to, E598
natriuretic peptide receptors in, E253
- Fever**
neuropeptide Y and IL-1 β in, E852
- Fibroblasts**
cardiac, cardiac hypertrophic response to angiotensin II and, E426
- Free fatty acids**
postprandial, stimulation of corticosteroid binding globulin, E1067
response to feeding, α_2 -adrenoceptors and, in dogs, E991
- Fructose**
placental production, and calculation of fetal glucose oxidation rate, E834

G

- Gastric inhibitory (poly)peptide**
release from tumor-derived cell line, E316
- Genes**
regulation, in central nervous system, E393
- Glucagon**
in glucose homeostasis, E469
hepatic glycogen metabolism and, E231
urinary oxalate excretion and, E568
- Glucocorticoids**
bioavailability, and dietary free fatty acids, E1067
deprivation, and glucose metabolism, in GTG-obese mice, E927

- and lipid accumulation by macrophages, E642
- regulation of α_2 -adrenergic receptor expression and signaling in pancreatic β -cells, E162
- Gluconeogenesis**
see also **Glucose, production**
 hepatic, in conscious mice, E1037
 measurement
 with [2-¹³C]glycerol and mass isotope distribution analysis of glucose, E516
 in fasting humans, E18
 in postabsorptive humans, E443
- Glucose**
 cycling
 in diabetic *ob/ob* mouse, E623
 in glycogen storage disease I, E774
 delivery to subcutaneous tissue, kinetics of, measurement, E155
 hepatic, fluxes in conscious mice, E1037
 homeostasis
 age-related changes in body composition and, E591
 glucagon in, E469
 imbalance, tissue response to, E162
 malonyl-CoA in skeletal muscle and, E283
 mass isotope distribution analysis of, in measurement of gluconeogenesis, E516
 metabolism
 closed head injury and, E636
 in critically ill patients, effects of continuous lipid infusion on, E753
 effects of adrenalectomy on, in GTG-obese mice, E927
 fat distribution and, in adolescent obesity, E118
 fetal, determination of, E834
 hepatic, and route of nutrient delivery, E827
 placental, E299
 and neurohumoral agonists, synergistic stimulation of phosphoinositide hydrolysis in islets, E575
 production
 see also **Gluconeogenesis**
 activin A in, E846
 during exercise, E409
 in glycogen storage disease I, E774
 in normal newborn, E361
 regulation during wakefulness and sleep, age-related changes in, E1006
 response to feeding, α_2 -adrenoceptors and, in dogs, E991
 transport
 in insulin-resistant diabetes, E759
 iron chelators and, E1052
 kinetics, E155
 turnover
 and muscle oxidative potential, in adaptation to exercise, E222
 in nonsteady state, mathematical modeling of, E557
 uptake, in liver, and sepsis, E199
- Glucose-alanine-lactate-glutamine cycles**
 in postabsorptive humans, E443
- Glucose tolerance**
 in aging, E1006
 effects of glutamate on, E551
- Glucose tolerance test**
 and intravenous vs. subcutaneous response to glucose dose, E155
- Glucose transporters**
 GLUT-1
 expression, regulation by iron chelators, E1052
 partitioning to plasma membrane in ARL 15 cells, thyroid hormone effects on, E605
 GLUT-2
 and glucose-stimulated insulin secretion, E897
 hepatic expression of, and route of nutrient delivery, E827
 GLUT-4
 in human muscle, E701
- Glutamate**
 effects on insulin secretion and glycemia, E551
 oxidation, in humans, E269
- Glutamic acid, *see* Glutamate**
- Glutamine**
 carbon kinetics, E663
 exogenous, response of glutamine metabolism to, E663
 metabolism, E663
 and skeletal muscle glycogen synthesis, E309
- Glycerol**
 metabolism, hepatic heterogeneity and, E18
 response to feeding, α_2 -adrenoceptors and, in dogs, E991
- Glycogen**
 hepatic, reflected by acetaminophen glucuronide, E766
 metabolism, hepatic, glucagon and, E231
 synthesis
 see also **Glycogenesis**
 in fasting dogs, E766
 hepatic, in conscious mice, E1037
 insulin-stimulated, arginine metabolism and, E61
 in patients with NIDDM, E27
 in sepsis, E199
 in skeletal muscle, glutamine and, E309
 turnover
 see also **Glycogenolysis**
 effects of exercise on, E1031, E1059
- Glycogenesis**
see also **Glycogen, synthesis**
 muscle
 from lactate, E1044
 in lactate-supplemented recovery from exercise, substrate pools and, E538
- Glycogenolysis**
see also **Glycogen, turnover**
 activin A in, in liver, E846
 in conscious mice, E1037
 insulin and/or glucagon effects on, E231
- Glycogen phosphorylase**
 hepatic, regulation, E231
- Glycogen storage disease**
 type I, glucose production in, E774
- Glycogen synthase**
 in human muscle, regulation of, E701
 protein, in skeletal muscle of patients with NIDDM, E27
- Glyconeogenesis, *see* Glycogenesis**
- Glyoxylate**
 metabolism, regulation, E568
- Gonadotropins**
 neonatal, GnRH-induced LH release from, melatonin inhibition of, E85
- Gonadotropins**
 regulation of blood-follicle barrier, nitric oxide and, E290
- Granulocyte colony-stimulating factor**
 derivative, clearance in rat bone marrow, E1
- Growth**
 insulin-like growth factors and, E613
- Growth factor receptor-bound protein 2**
 expression in insulin-resistant diabetes, E759
- Growth hormone**
 action in arcuate nucleus, identification of target cells for, E716
 with IGF-I, additive increase in anabolism with, E368
 induction of *c-fos* mRNA, E716
 secretion, somatostatin and, E683
- Growth hormone-releasing factor**
 growth hormone response to, somatostatin and, E683
- Growth hormone-releasing hormone**
 in growth hormone secretion, E716
- Guanylyl cyclase**
 in induction of acrosome reaction, E216
- ## H
- Head injury**
 closed, protein and glucose metabolism during, E636
- Heart**
 hypertrophic response to angiotensin II, cardiac fibroblasts and, E426
- Heart rate**
 effects of caffeine on, in lean and obese women, E671
- Hemorrhage**
 ACTH responses to, E53
 hormonal responses to, and fluid resuscitation, E53
- Hepatocytes**
 acute-phase protein production in, E323
- Hexokinase II**
 in human muscle, regulation of, E701
- Hormones**
 response to feeding, α_2 -adrenoceptors and, in dogs, E991
- Hydrogen ions**
 transport, in skeletal muscle, E1044
- R- β -Hydroxybutyrate**
 in PET studies of regional cerebral uptake of ketone bodies, in humans, E948
- Hyperinsulinemia**
 metabolic effects of, in rats, persistence in progeny, E731
- Hypertension**
 as genetic disease, E793
 and insulin resistance, induced by L-NMMA, E709
 studies in transgenic animals, E793
- Hyperthyroidism**
 circulating levels of IGF-I and IGF-binding proteins in, E840
 insulin action and protein turnover in, E499
- Hypervitaminosis A**
 therapy for, E91
- Hypoglycemia**
 chronic, effects on uteroplacental glucose metabolism, E299
 in ketotic dogs, E67

Hypothalamus

proenkephalin gene regulation in, E393

Hypoxia

fetal, adrenal blood flow responses to, E598

I**Immediate-early gene**

response, blunting in hepatectomized type 1 diabetic animals, E691

Infection, see Sepsis**Insulin**

see also **Insulin resistance; Insulin sensitivity**

action, and muscle fiber characteristics, E150

acute-phase protein production in human hepatocytes and, E323

effects on cell growth and metabolism, E691

effects on hexokinase II and glycogen synthase in muscle, E701

effects on muscle blood volume, E1000

in glucose homeostasis, E469

glycogen synthesis stimulated by, arginine metabolism and, E61

malonyl-CoA in skeletal muscle and, E283

mRNA, age-dependent reduction of, in aging rats, E983

multiple subcutaneous injections, model for, E1115

and protein turnover in hyperthyroidism, E499

regulation of insulin-like growth factors and their binding proteins, E723

release, vasopressin- and oxytocin-induced, E1095

response to feeding, α_2 -adrenoceptors and, in dogs, E991

secretion

age-dependent reduction of, in aging rats, E983

circadian rhythm of, age-related changes in, E1006

defects, in Zucker rat, E786

during fasting, E478

glucose- and neurohumoral-stimulated, E575

glucose-stimulated, GLUT-2 overexpression and, E897

glutamate and, E551

in neonatal rats fed high-carbohydrate diet, persistence of effects in adults and progeny, E739

pulsatile, E478, E1106

and route of nutrient delivery, E827

uptake, hepatic, in sepsis, E199

Insulin-like growth factor

circulating, regulation by insulin, E723

function, gene-targeting and transgenic approaches to, E613

and growth, E613

IGF-I

circulating levels, in hyperthyroidism, E840

gene expression, response to somatotropin, in swine, E627

with GH, additive increase in anabolism with, E368

hepatic production and clearance, after endotoxin, E33

intramuscular, effects of testosterone on, in elderly men, E820

and protein synthesis in skeletal muscle during sepsis, E977

IGF-II, expression in intestinal Caco-2 cells, E804

and tumorigenesis, E613

Insulin-like growth factor binding proteins

circulating

in hyperthyroidism, E840

regulation by insulin, E723

expression, in intestinal Caco-2 cells, E804

function, gene-targeting and transgenic approaches to, E613

release, lipopolysaccharide and, E33

Insulin-like growth factor receptors

characteristics of, E613

Insulin-like immunoreactivity

in rat submandibular glands, biological activity, E277

Insulin receptors

activation, by insulin-like immunoreactivity from rat submandibular glands, E277

expression, in insulin-resistant diabetes, E759

Insulin receptor substrate-1

in insulin-resistant diabetes, E759

Insulin resistance

in aging, E591

with artificial nutrition, E827

closed head injury and, E636

compensatory signaling in, E759

hepatic VLDL secretion and, E208

nitric oxide synthase inhibition and, E709

and obesity, E118

reversion during late pregnancy, in rat, E858

Insulin response

age-related changes in body composition and, E591

Insulin sensitivity

hepatic VLDL secretion and, E208

and route of nutrient delivery, E827

Interferon

IFN- γ , effects on streptozotocin-induced diabetes, E1089

Interleukin

IL-1 α , stimulation of dopamine secretion, through type II protein kinase A, E1083

IL-1 β , and neuropeptide Y, in anorexia and pyrexia in rat, E852

Inter- α -trypsin inhibitor

intrafollicular influx of, regulation, E290

Ionomycin

dose-related phasic myometrial contractions generated by, E779

Iron

chelators, and glucose transport, E1052

Islets of Langerhans

age-related changes in, E983

metabolic and secretory effects of high-carbohydrate diet on, E739

K**Ketoconazole**

effects on calcitriol and active calcium transport in pregnancy, E934

Ketone bodies

regional cerebral uptake of, in humans, E948

Knockout studies

of blood pressure regulation and hypertension, E793

of IGF and IGF binding protein function, E613

Kupffer cells

IGF-I production and clearance, after endotoxin, E33

L**Lactate**

metabolism, muscle, blood flow and, E1044

placental production, and calculation of fetal glucose oxidation rate, E834

transport

in sarcolemmal giant vesicles from rat skeletal muscle, E679

in skeletal muscle, E1044

Lactation

oxytocin mRNA regulation during, E76

Lactotropes

single-cell analysis of prolactin secretory dynamics in, E814

Lactotrophs

recording of large-conductance chloride channel in, E969

Leucine

kinetics

effects of arginine supplementation on, E884

in skeletal muscle, E127

Lipids

oxidation, effects of caffeine on, in lean and obese women, E671

plasma, variation during menstrual cycle, E1101

Lipids, dietary

continuous infusion of, effects on glucose metabolism in critically ill patients, E753

Lipogenesis

in rats fed high-carbohydrate diet, persistence of effects in progeny, E731

Lipolysis

in adipose tissue

effects of training on, E1059

regional differences in, in premenopausal women, E341

Lipopolysaccharide

IGF-I production and clearance after, E33

Lipoprotein(a)

variation during menstrual cycle, E1101

Liver

see also **Hepatocytes**

activin A action in, E846

glucose fluxes, in conscious mice, E1037

glucose metabolism, and route of nutrient delivery, E827

glycerol metabolism, heterogeneity, E18

glycogen metabolism, insulin and/or glucagon effects on, E231

glycogen synthesis

in conscious mice, E1037

effects of fasting on, in dogs, E766

reflected by acetaminophen glucuronide, E766

IGF-I production and clearance, after endotoxin, E33

metabolic zonation, E18

oxalate synthesis, regulation, E568

parenchymal cells, IGF-I production and clearance, after endotoxin, E33

- plasminogen metabolism, in diabetic rabbit, E1017
- Luteinizing hormone**
release from neonatal gonadotrophs, GnRH-induced, melatonin inhibition of, E85
- M**
- Macrophage colony-stimulating factor**
mediation of osteoclast formation, E1024
- Macrophages**
differentiation, mediation by macrophage colony-stimulating factor, E1024
- Magnesium**
dietary intake, delayed development of diabetes in rat, E745
- Malonyl-CoA**
in skeletal muscle, E283
- Manganese**
influx into porcine chromaffin cells, E43
- Mass action law**
and agonist-antagonist interactions with cellular receptors, E379
- Mass isotopomer distributions**
of glucose, in measurement of gluconeogenesis, E516
to measure gluconeogenesis in fasting humans, limitations of, E18
- Mathematical modeling**
of glucose turnover in nonsteady state, E557
of insulin dosage and administration, E1115
as tool for advanced research in endocrinology and metabolism, E377
- Melatonin**
mechanism of action, in neonatal gonadotrophs, E85
- Menstrual cycle**
cyclical variation of plasma lipids, apolipoproteins, and lipoprotein(a) during, E1101
- Metabolism**
effects of closed head injury on, E636
effects of high-carbohydrate diet on, in rats
persistence in adults, E739
persistence in progeny, E731, E739
intracellular signaling in, in hepatectomized type 1 diabetic animals, E691
mathematical modeling as tool for advanced research in, E377
response to feeding, α_2 -adrenoceptors and, in dogs, E991
- Methionine**
intake, effects on acid-base balance and cysteine catabolism, E910
- Methodologies**
for detection of pulsatile insulin secretion, E1106
for estimating energy expenditure, bicarbonate-urea method, E172
for isotopic determination of plasma fatty acid oxidation, E649
for kinetics of glucose delivery to subcutaneous tissue, E155
for knockout animals, E613, E793
for long-chain fatty acid biosynthesis studied using deuterated water, E247
- for mass isotopomer distribution analysis, E18, E516
for measurement of human gut mucosal protein synthesis, E996
for quantification of [^{15}N]ammonia incorporation into plasma amino acids and urea, E508
for quantitation of hepatic glucose fluxes and hepatic glycogen synthesis, in conscious mice, E1037
for recording of large-conductance chloride channel in lactotrophs, E969
for R- β -hydroxybutyrate in PET studies of regional cerebral uptake of ketone bodies, E948
for single-cell analysis of prolactin secretory dynamics, E814
for studies of effect of insulin on muscle blood volume, E1000
for transgenic animals, E613, E793
- 3-Methylhistidine**
metabolism in humans, compartmental model of, E193
- Methylxanthines**
metabolism, effects of caffeine on, in lean and obese women, E671
- Mice**
diabetic *ob/ob*, glucose cycling in islets of, E623
gene-targeted lines, IGF binding protein function studies in, E613
quantitation of hepatic glucose fluxes and hepatic glycogen synthesis in, E1037
RAR γ mutant, resistance to retinoic acid toxicity, E91
transgenic, *see* Transgenic mice
- Mineralocorticoids**
and cardiac fibrosis, E657
- Mitogenesis**
intracellular signaling in, in hepatectomized type 1 diabetic animals, E691
- Modeling**
of bicarbonate kinetics in humans, E183
of forearm leucine kinetics, E127
of hypoglycemia in ketotic dogs, E67
of insulin dosage and administration, E1115
mathematical
of glucose turnover in nonsteady state, E557
of insulin dosage and administration, E1115
as tool for advanced research, E377
of 3-methylhistidine metabolism in humans, E193
of receptor discrimination and control of agonist-antagonist binding, E379
- N^G -Monomethyl-L-arginine**
hypertension induced by, and insulin resistance, E709
- Mucosa**
gastrointestinal, protein synthesis, measurement of, E996
- Muscarinic receptors**
on porcine chromaffin cells, stimulation, calcium-dependent secretory response to, E43
- Muscle**
glucose uptake, in adrenalectomized GTG-obese mice, E927
- Muscle, skeletal**
blood volume, effects of insulin on, E1000
- carbohydrate metabolism during exercise, arterial PO_2 and, E409
fiber characteristics, and insulin action, E150
forearm, leucine kinetics, E127
glucose-alanine-lactate-glutamine cycles and, E443
glycogen synthase in
hexokinase II and, E701
in patients with NIDDM, E27
glycogen synthesis
glutamine and, E309
substrate pools and, E538
hexokinase II and glycogen synthase in, E701
lactate release, blood flow and, E1044
lactate transport in, E679
malonyl-CoA fuel-sensing mechanism in, E283
metabolic response to exercise, in non-insulin-dependent diabetes mellitus, E583
mitochondrial potential, in adaptation to exercise, E222
protein synthesis
effects of testosterone on, in elderly men, E820
in sepsis, IGF-I and, E977
pyruvate dehydrogenase activity in, during exercise, E458
strength, effects of testosterone on, in elderly men, E820
thermogenesis, adrenoceptors and, E960
- Muscle, smooth**
in female reproductive tract, effects of pituitary adenylate cyclase-activating polypeptide on, E108
- Myocardium**
fibrosis, in hypermineralocorticoid states, E657
- Myometrium**
phasic contractions, ionomycin-stimulated, E779
- N**
- Nartograstim**
clearance, in rat bone marrow, E1
- Natriuretic peptide receptors**
ontogeny, E253
- Neonates, *see* Newborn**
- Neuropeptide Y**
and IL-1 β , in anorexia and pyrexia in rat, E852
- Newborn**
proteolysis and glucose production in, E361
- Nitrate**
excretion, and arginine intake, E884
- Nitric oxide**
regulation of blood-follicle barrier by, E290
- Nitric oxide synthase**
inhibition, insulin resistance and, E709
- Nitrogen**
metabolism, E508
- L-NMMA, *see* N^G -Monomethyl-L-arginine**
- Non-insulin-dependent diabetes mellitus (NIDDM), *see* Diabetes mellitus, non-insulin-dependent (NIDDM)**
- Nonshivering thermogenesis**
capacity for, E351

Norepinephrine

clearance, placental, E145

O**Obesity**

adolescent, fat distribution and glucose metabolism in, E118
 development of, experimental model, E731, E739
 genetic, body composition and adipose metabolism in, effect of somatotropin and caloric restriction, E137
 and metabolic effects of caffeine, in women, E671

Ocreotide

effects on growth hormone responsiveness to growth hormone-releasing factor, E683

Oncogenes

c-fos, induction by growth hormone, E716

Ornithine

kinetics, effects of arginine supplementation on, E884

Osteoblasts

differentiation, regulation by osteogenic protein-1, E918

Osteoclasts

formation, mediation by macrophage colony-stimulating factor, E1024

Osteogenic protein-1

effects on phenotypic expression in ROS 17/2.8 cells, E918

Ovulation

regulation of, E290

Oxalate

hepatic synthesis, regulation of, E568
 urinary excretion, glucagon and, E568

Oxytocin

effects on insulin release, E1095
 mRNA, regulation during lactation, E76

P**PACAP, see Pituitary adenylate cyclase-activating polypeptide****Pancreas**

β -cells

α_2 -adrenergic receptor expression and signaling in, regulation by glucocorticoids, E162
 defects, in Zucker rat, E786
 function, in aging rats, E983
 glucose-stimulated insulin secretion, E897
 metabolic and secretory effects of high-carbohydrate diet on, E739

islets

age-related changes in, E983
 of diabetic *ob/ob* mice, glucose cycling in, E623
 metabolic and secretory effects of high-carbohydrate diet on, E739

Parathyroid cells

calcium channels in, regulation by extracellular calcium and channel blockers, E864

Parathyroid hormone

secretion, extracellular calcium and, E864

Parenchymal cells

hepatic, IGF-I production and clearance, after endotoxin, E33

Parenteral nutrition

administration route, effects on insulin sensitivity and liver glucose transporter, E827

Parturition

phospholipase A₂ in uterine cervix during, E940

Pentagastrin

pepsin secretion and, E418

Pepsin

synthesis, measurement using L-[1-¹³C]leucine incorporation, E418

Phosphatidylinositol

signaling pathway, in ionomycin-stimulated phasic myometrial contractions, E779

Phosphatidylinositol 3-kinase

in insulin-resistant diabetes, E759

Phosphoinositide

hydrolysis, in islets, synergistic stimulation of, E575

Phospholipase

PLA₂ in uterine cervix, in late pregnancy and parturition, E940
 PLC, phosphoinositide-specific, E575
 PLD, effect of thromboxane A₂ on, in osteoblast-like cells, E524

Pituitary adenylate cyclase-activating polypeptide

occurrence and effect in female genital tract, E108
 as secretagogue of catecholamine in adrenal medulla, E903

Pituitary gland

corticotrophs, vasopressin-stimulated, tumor-related selection of calcium signals in, E451
 lactotrophs, single-cell analysis of prolactin secretory dynamics in, E814
 lactotrophs, recording of large-conductance chloride channel in, E969

Placenta

catecholamine clearance, E145
 glucose metabolism, E299
 norepinephrine clearance, measurement in vivo and physiological role, E145

Plasminogen

metabolism, in diabetic rabbit, E1017

Portal vein

sampling, for detection of pulsatile insulin secretion, E1106

Positron emission tomography

of regional cerebral uptake of ketone bodies, in humans, E948
 studies of effect of insulin on muscle blood volume, E1000

Pregnancy

calcitriol and active calcium transport in, E934
 insulin resistance reversion in, in rat, E858
 phospholipase A₂ in uterine cervix during, E940

Proenkephalin

gene regulation, in neuroendocrine hypothalamus, E393

Progesterone

effects on plasma lipids and apolipoproteins, E1101

Prolactin

oxytocin mRNA regulation during lactation and, E76
 secretory dynamics, single-cell analysis of, E814

Protein

metabolism, closed head injury and, E636
 synthesis
 effects of testosterone on, in elderly men, E820
 in human gut mucosa, measurement of, E996
 in skeletal muscle during sepsis, IGF-I and, E977

turnover

see also **Proteolysis**

in diabetic rabbit, E1017
 in hyperthyroidism, insulin action and, E499
 in skeletal muscle, E127

Protein, dietary

effects on acid-base balance and cysteine catabolism, E910

Protein kinase

PKA, type II, and dopamine secretion stimulation by IL-1 α , E1083
 PKC, in activation of phospholipase D, E524

Proteolysis

see also **Protein, turnover**
 with closed head injury, E636
 in normal newborn, E361

Pyruvate dehydrogenase

activity in skeletal muscle, during exercise, E458

R**Renin-angiotensin system**

alterations, diabetic neuropathy and, E530

Reproductive tract

female, smooth muscle, effects of pituitary adenylate cyclase-activating polypeptide on, E108

Resuscitation

ACTH responses to, E53
 hormonal responses to, E53

Retina, see Eye, retina**Retinoic acid**

toxicity, resistance in RAR γ mutant mice, E91

Reverse hemolytic plaque assay

for single-cell analysis of prolactin secretory dynamics, E814

S**Salt loading**

and cardiac fibrosis, E657

Sepsis

acute-phase protein production in human hepatocytes and, E323
 hepatic glucose uptake and, E199
 protein synthesis in skeletal muscle during, IGF-I and, E977

Shock

endotoxic, IGF-I production and clearance in, E33

Somatostatin

effects on growth hormone responsiveness to growth hormone-releasing factor, E683
 synthesis and secretion of, E716
 in tumor-derived cell line, E316

Somatotropin

and caloric restriction, effects on body composition and adipose metabolism in Zucker rat, E137
 tissue IGF-I response to, in swine, E627

Spermatozoa

acrosomal exocytosis in, atrial natriuretic peptide and, E216

Splanchnic bed

glutamine extraction, E663
metabolic response to exercise, in non-insulin-dependent diabetes mellitus, E583
oxidation of glutamic acid, in humans, E269

Stable isotope tracers

for ammonia metabolism, E508
for gluconeogenesis measurement, E516
for pepsin synthesis, E418

STC 6-14 cell line

gastric inhibitory (poly)peptide release from, E316

Steroids

and cardiac fibrosis, E657
feedback, in resuscitation, E53
gonadal, oxytocin mRNA regulation during lactation and, E76

Suckling

oxytocin mRNA regulation during lactation and, E76

T**Testosterone**

administration in elderly men, effects on skeletal muscle strength and protein synthesis, E820

Thermogenesis

effects of caffeine on, in lean and obese women, E671
muscle, adrenoceptors and, E960
neuropeptide Y and IL-1 β in, E852
nonshivering, capacity for, E351

Thermogenin

in brown adipose tissue, E351

Thromboxane A₂

effect on phospholipase D, in osteoblast-like cells, E524

Thyroid hormone

effects on circulating levels of IGF-I and IGF binding proteins, E840
effects on surface glucose transporters in ARL 15 cells, E605

Thyroid-stimulating hormone (thyrotropin)

plasma, diurnal rhythmicity in humans, E489

Transgenic mice

expressing IFN- γ in pancreatic β -cells, resistance to streptozotocin-induced diabetes, E1089
IGF function studies in, E613

Trauma

acute-phase protein production in human hepatocytes and, E323

Triacylglycerol

hepatic synthesis, insulin effects on, E208

Triiodothyronine

effects on surface glucose transporters in ARL 15 cells, E605

Tumorigenesis

insulin-like growth factors and, E613

Tumors

starvation, model, using hypoglycemia in ketotic dogs, E67

U**Uncoupling protein**

in brown adipose tissue, E351

Urea

[¹⁵N]ammonia incorporation into, quantification of, E508

Urea cycle

kinetics, and arginine intake, E884

V**Vasopressin**

and tumoral corticotrophs, E451

Very low density lipoprotein

hepatic secretion, insulin resistance and, E208

Vitamin E

effects on diabetic vascular disease, E239

W**Water, deuterated**

long-chain fatty acid biosynthesis studied using, E247
in measurement of cholesterol synthesis, E878

Z**ZD-7155**

diabetic neuropathy and, E530

Zucker rat

β -cell defects in, E786
body composition and adipose metabolism, effect of somatotropin and caloric restriction, E137
delayed development of NIDDM, with magnesium supplementation, E745
insulin resistance, and hepatic VLDL secretion, E208

1. The first part of the document is a list of names and titles, including "The Hon. Mr. Justice" and "The Hon. Mr. Justice".

Author Index to Volume 32

A

Abumrad, N. A., E642
 Agarwal, K. C., E67
 Agarwal, R. K., E1083
 Ajami, A. M., E884
 Ajie, H. O., E247
 Al-Azawi, N., E1095
 Aldoretta, P. W., E834
 Alm, P., E108
 Anai, M., E897
 Angel, A., E99
 Angel, I., E991
 Annat, G., E753
 Arnaud, M. J., E671
 Arnush, M., E1089
 Asano, T., E897
 Assimos, D. G., E568
 Azain, M. J., E137

B

Ballas, L. M., E239
 Balon, T. W., E745
 Bangsbo, J., E1044
 Barazzoni, R., E127
 Barkan, D., E216
 Baron, A. D., E709
 Barzilay, N., E591, E1037
 Bashan, N., E1052
 Bassilian, S., E247
 Battezzati, A., E269
 Bauer, F., E91
 Bauman, D. E., E723
 Bayle, G., E499
 Beaumier, L., E884
 Bella, D. L., E910
 Benassayag, C., E1067
 Ben-Ezra, S., E1052
 Bergner, E. A., E247
 Bernier, M., E61
 Berry, C., E499
 Bertrand, G., E551
 Beylot, M., E516
 Bier, D. M., E443
 Blair, S. C., E927
 Blomqvist, G., E948
 Blount, L., E145
 Bluethmann, H., E91
 Boass, A., E934
 Bockaert, J., E551
 Bodenburg, Y. H., E820
 Bonadonna, R. C., E183
 Bonini, J. A., E759
 Bonnet, Y., E499
 Borsook, D., E393
 Bouloy, C., E991
 Bourgeois, C. S., E208
 Boyd, E. J. S., E418
 Bracco, D., E671
 Bragg, T. M., E458
 Brand, C. L., E469
 Brechtel, G., E709
 Breitbart, H., E216
 Brillouin, D. J., E269
 Brizzi, P., E1101
 Brown, J., E253
 Brown, J. C., E316
 Brunengraber, H., E18, E67
 Buchan, A. M. J., E316
 Bülow, J., E1059
 Bursell, S.-E., E239

Burton, K. A., E716
 Butler, P. C., E478, E1106
 Byerley, L. O., E247
 Byrne, M. M., E1006
 Bzorkie, L., E145

C

Cameron, N. E., E530
 Cannon, B., E351
 Caprio, S., E118
 Carraro, F., E508
 Carter, A. M., E598
 Carter, D. C., E323
 Carver, T. D., E299
 Castaño, J. P., E814
 Castillo, L., E884
 Caterson, I. D., E927
 Caumo, A., E557
 Cavegion, E., E183
 Cavender, C. P., E331
 Cella, L. K., E489, E878
 Challis, J. R. G., E598
 Champredon, C., E499
 Chandramouli, V., E18
 Chang, W., E864
 Char, D., E33
 Charrier, S., E499
 Chen, L., E290
 Chen, T.-H., E864, E1095
 Chen, W., E1037
 Cheng, W., E642
 Chien, E. M., E779
 Chin, S., E691
 Christensen, H. B., E108
 Chung, I. B., E627
 Ciccicarese, M., E1101
 Ciralo, S. T., E67
 Clark, M. G., E960
 Clermont, A. C., E239
 Clifton, D. K., E716
 Cobelli, C., E183, E557
 Coggan, A. R., E649, E820
 Coghlan, J., E10
 Colca, J. R., E759
 Colomb, V., E827
 Colomer, S., E827
 Colquhoun, E. Q., E960
 Connor, M. J., E247
 Consoli, A., E701
 Cooney, G. J., E927
 Corbett, M. E., E418
 Corcuff, J.-B., E451
 Cotter, M. A., E530
 Cushman, S. W., E605
 Cusi, K. A., E701
 Cybulsky, A. V., E940
 Czerwinski, S. M., E627

D

Dahms, N. M., E804
 Dailey, C., E759
 Dailey, C., E443
 D'Amore, D., E663
 Darmaun, D., E663
 David, F., E67
 DeFronzo, R. A., E183, E701
 Delafosse, B., E753
 Denne, S. C., E361
 De Periere, D. D., E277

Derouet, M., E277
 Desjardins, C., E377
 Després, J. P., E341
 Dessole, S., E1101
 Dicker, A., E351
 Dietschy, J. M., E331
 Dillmann, W. H., E426
 Di Vetta, V., E1031
 Downie, S., E996
 Dryden, S., E852
 Dufy, B., E969
 Duzic, E., E162
 Dwyer, D. A., E723

E

Efendic, S., E623
 Egan, J. M., E61, E983
 Ekberg, K., E18
 Elia, M., E172
 Eon, M.-T., E991
 Epstein, M. A. F., E377
 Ercan, N., E231

F

Fahmi, M., E969
 Fahrenkrug, J., E108
 Fan, J., E33
 Farouk, M., E323
 Fearon, K. C. H., E323
 Fernandez, C. A., E18, E67
 Ferrando, A., E820
 Ferrarria, J.-M., E671
 Flakoll, P. J., E193, E636
 Flyvbjerg, A., E840
 Forsberg, E. J., E43
 Foxworth, J., E820
 Frank, S. A., E1006
 Fraser, M., E598
 Frawley, L. S., E814
 Freij, M., E779
 Frystyk, J., E840
 Fujino, M., E903
 Fuller, N. J., E172
 Funder, J., E657

G

Gala, G. J., E53
 Galbo, H., E1059
 Gann, D. S., E53
 Gannon, M. C., E231
 Garcia, L., E969
 Garden, O. J., E323
 Gardner, P., E864
 Gastaldelli, A., E649
 Gavigan, K. E., E150
 Gelato, M. C., E33
 Gerich, J. E., E443
 Ghosh, R., E76
 Gibbons, G. F., E208
 Gilkison, C., E820
 Girard, J., E827
 Girard-Globa, A., E1067
 Goodman, H. O., E568
 Granner, D. K., E701
 Grant, S. M., E222
 Green, H. J., E222
 Greenbaum, L. E., E691
 Grill, V., E948
 Grizard, J., E499

Grønbaek, H., E840
 Groop, L., E27
 Gross, R., E277
 Gu, D., E1089
 Gu, J.-L., E745
 Guerineau, N. C., E451
 Guihot, G., E827
 Guillot, E., E991
 Gwosdow, A. R., E1083

H

Haber, R. S., E605
 Halperin, M. L., E67
 Hamamdzie, D., E162
 Hankard, R. G., E663
 Hannibal, J., E108
 Haourigui, M., E1067
 Härkönen, R., E1000
 Harrell, R. J., E723
 Hatton, M. W. C., E1017
 Hausman, D. B., E137
 Hawkins, M., E1037
 Hay, W. W., Jr., E145, E299, E834

Haymond, M., E663
 Head, G., E657
 Heigenhauser, G. J. F., E458
 Heller, A., E155
 Hems, R., E208
 Henderson, T. E., E61
 Henningsen, P., E1044
 Herrera, E., E858
 Hickey, M. S., E150
 Hillaire-Buys, D., E277
 Hinton, P. S., E368
 Hoffmann, A. S., E91
 Hofmann, C., E759
 Hollidge-Horvat, M. G., E458
 Holmes, R. P., E568
 Holst, J. J., E469
 Homan, J., E598
 Homan, M., E557
 Houmard, J. A., E150
 Hsu, W. H., E1095
 Huang, Z., E316
 Hubbell, J. A., E155
 Hurst, C. H., E568
 Hyman, L. D., E118
 Hyman, S. A., E636
 Hyman, S. E., E393

I

Iida, H., E1000
 Inchiostro, S., E127
 Ingvar, M., E948
 Inukai, K., E897
 Irsula, O., E709
 Ishihara, H., E897
 Ishii, H., E239
 Ishikawa, M., E155

J

Jacobs, J., E199
 Jasman, A. P., E745
 Jebb, S. A., E172
 Jennings, G., E172
 Jensen, T., E443
 Jéquier, E., E671, E1031
 Jirousek, M. R., E239

Johnson, L. R., E611
 Jones, M. G., E172
 Jones, N. L., E458
 Jorde, R., E443
 Jørgensen, J. C., E108
 Jørgensen, P. N., E469
 Joseph, A., E1083
 Juel, C., E679, E1044
 Junge, J., E108
 Jurasinski, C. V., E977

K

Kabigting, E. B., E716
 Kalhan, S. C., E18, E731
 Karn, C. A., E361
 Kashiwai, K., E145
 Kasser, T. R., E137
 Katagiri, H., E897
 Katz, A., E583
 Katz, H., E557
 Keech, C., E709
 Kelley, G. G., E575
 Keynan, N., E216
 Khalfallah, Y., E753
 Khan, A., E623
 Kieffer, T. J., E316
 Kikuchi, M., E897
 Kim, N. N., E426
 Kinchington, P., E701
 King, G. L., E239
 Kitten, A. M., E918
 Klein, D. C., E85
 Klein, S., E508
 Kling, S. J., E1024
 Knigge, U., E469
 Knuuti, M. J., E1000
 Kobayashi, H., E1
 Kobayashi, S., E1
 Kojima, I., E846
 Kolasa, A. J., E33
 Koranyi, L., E27
 Koshy, J., E67
 Kozawa, O., E524
 Kozlovsky, N., E1052
 Kristensen, J. S., E469
 Kumar, A., E1083
 Kunisaki, M., E239
 Kurowski, T. G., E283
 Kuwabara, T., E1
 Kvilekval, K. V., E642

L

Lacy, B., E199
 Laine, H., E1000
 Landau, B. R., E18
 Lands, L. C., E458
 Landwehr, J., E91
 Lang, C. H., E33
 Lange, R., E118
 Lanier, S. M., E162
 Large, V., E516
 Larsen, W. J., E290
 Lavie, S., E827
 Laychock, S. G., E739
 Lee, A. A., E426
 Lee, B., E1095
 Lee, J. C., E918
 Lee, W. N. P., E247
 Leese, G. P., E309
 Lemieux, S., E341
 LeMotte, P., E91
 Leturque, A., E827
 Li, Q., E43

Liechty, E. A., E361
 Lightfoot, E. N., E1115
 Lilly, M. P., E53
 Limb, C., E118
 Lindström, J., E27
 Liotta, A. S., E983
 Liu, R., E1037
 Lo, H.-C., E368
 Löfman, M., E27
 Loizeau, M., E827
 Look, J., E91
 Loubatieres-Mariani, M. M., E551
 Love, A., E530
 Lucas, D., E67

M

Maingay, J., E323
 Maioli, M., E1101
 Maitra, S. R., E33
 Mäkelä, P., E1000
 Mandarino, L. J., E701
 Marshall, S., E709
 Martin, I. K., E583
 Martin, M. E., E1067
 Martin, R. J., E137
 Massillon, D., E1037
 Matthews, D. E., E269
 Mauriège, P., E341
 Maxfield, E. K., E530
 McCarthy, H. D., E852
 McCarthy, S., E118
 McFarlane, A., E10
 McGowan, J. E., E834
 McGuinness, O. P., E199
 McGuire, M. A., E723
 McIntosh, C. H. S., E316
 McMurtry, J. P., E627
 Merrill, D. C., E793
 Milia, S., E1101
 Mine, T., E846
 Miyazaki, J.-I., E897
 Mollard, P., E451
 Moran, C., E199
 Morand, R., E991
 Motin, J., E753
 Munn, S., E478, E1106
 Murgatroyd, P. R., E172

N

Nadler, J. L., E745
 Naji, A., E691
 Nakshabendi, I. M., E996
 Naor, Z., E216
 Nawata, H., E239
 Nedergaard, J., E351
 Ney, D. M., E368
 Niskanen, T., E1000
 Nissen, S. L., E193
 Nobusawa, R., E846
 Normand, S., E753
 Nunez, E. A., E1067
 Nurjhan, N., E443
 Nuttall, F. Q., E231
 Nuutila, P., E1000

O

Obeidat, W., E996
 Obled, C., E499
 O'Connell, N. A., E1083
 O'Doherty, R. M., E701
 Oiso, Y., E524

Oka, Y., E897
 Olson, M. S., E918
 O'Riordan, M. G., E323
 Osawa, H., E701
 Ottesen, B., E108
 Owan, I., E438

P

Padbury, J. F., E145
 Palle, C., E108
 Pan, W., E33
 Parkkonen, M., E27
 Parsons, W. R., E663
 Patel, M. S., E731, E739
 Patlak, C. S., E33
 Patterson, B. W., E508
 Pederson, R. A., E316
 Penston, J. G., E418
 Perfetti, R., E983
 Perkins, S. L., E1024
 Peroni, O., E516
 Perriello, G., E443
 Peterson, C. A., E368
 Phillippe, M., E779
 Phillips, S. M., E222
 Pilegaard, H., E679, E1044
 Pishko, M. V., E155
 Polonsky, K. S., E786, E1006
 Poppitt, S. D., E172
 Pøksen, N., E478, E1106
 Potashnik, R., E1052
 Powers, R. W., E290
 Previs, S. F., E18, E67
 Printz, M. P., E426
 Printz, R. L., E701
 Pritsker, A., E605
 Prud'homme, D., E341
 Prugnaud, J., E499
 Puckett, W. R., E1115
 Puddu, L., E1101
 Puech, R., E551
 Pugh, W. L., E786
 Putman, C. T., E458

Q

Quinn, C. P., E155

R

Radziuk, J., E538
 Rafizadeh, C. M., E983
 Raitakari, M., E1000
 Raitakari, O. T., E1000
 Rajabi, M. R., E940
 Ramirez, S., E691
 Ramos, P., E858
 Ramsay, T. G., E627
 Raskin, P., E155
 Rathmacher, J. A., E193
 Refetoff, S., E1006
 Rennie, M. J., E309, E418, E996
 Ribes, G., E277
 Richardson, B. S., E598
 Richardson, M., E1017
 Richter, E. A., E1044
 Ricour, C., E827
 Riou, J. P., E753
 Rizza, R., E557
 Robillard, J. E., E793
 Roland, D. C., E1006
 Rose, J. C., E1076
 Rosebrough, R. W., E627
 Ross, J. A., E323

Rossetti, L., E591, E1037
 Ross-Ouellet, B., E1017
 Rother, K. I., E766, E774
 Ruderman, N. B., E283
 Rudich, A., E1052
 Ruotsalainen, U., E1000
 Russell, P. T., E290
 Russell, R. I., E996
 Ryan, C., E538

S

Saccomani, M. P., E183
 Sadurskis, A., E351
 Sager, B. K., E663
 Saha, A. K., E283
 Sakr, S., E1067
 Sartor, P., E969
 Sarvetnick, N., E1089
 Saunders, T., E779
 Sawyer, S. P., E1089
 Schalin-Jäntti, C., E27
 Schmidtke, D. W., E155
 Schneider, P., E1031
 Scholler, D. A., E489, E878
 Schutz, Y., E671
 Schwartz, J., E1076
 Schwenk, W. F., E766, E774
 Secchi, G., E1101
 Seetharam, B., E804
 Sekine, N., E846
 Sewell, C., E701
 Shen, G. X., E99
 Sherlock, J. D., E162
 Sherwin, R. S., E118
 Shibata, H., E846
 Shimamoto, N., E903
 Shinoda, J., E524
 Shoback, D., E864
 Shulman, G., E118
 Sidossis, L. S., E649
 Sigmund, C. D., E793
 Simon, J., E277
 Simonsen, L., E1059
 Sipilä, H., E1000
 Skjærbaek, C., E840
 Sladek, C. D., E76
 Smith, K., E996
 Southward, S. M. R., E1017
 Spolarics, Z., E33
 Stallknecht, B., E1059
 Steele, N. C., E627
 Steenstrup, B. R., E108
 Steers, J., E478, E1106
 Steiner, R. A., E716
 Stevens, M. P., E67
 Stipanuk, M. H., E910
 Stone-Elander, S., E948
 Stumvoll, M., E443
 Sturis, J., E786, E1006
 Sugiyama, Y., E1
 Sutherland, B. E., E53
 Suzuki, A., E524
 Svendsen, I., E469

T

Tabarin, A., E451
 Takahashi, A., E903
 Takano, Y., E438
 Tallarida, R. J., E379
 Tamborlane, W. V., E118
 Tammara, A., E67
 Tang, J., E786

Tannenbaum, G. S., E683
 Taouis, M., E277
 Tappy, L., E1031
 Tarnopolsky, M. A., E222
 Taub, R., E691
 Taupignon, A., E969
 Tauveron, I., E499
 Teräs, M., E1000
 Tessari, P., E127
 Thiéblot, P., E499
 Thobie, N., E1067
 Thompson, J., E309
 Thompson, M. W., E793
 Thorell, J. O., E948
 Tissot, S., E753
 Tokuyama, Y., E745
 Tonolo, G., E1101
 Toverud, S. U., E934
 Tremblay, A., E341
 Tresham, J., E10
 Tseng, Y.-T., E145
 Tserng, K.-Y., E67
 Tsukuda, K., E897
 Turley, S. D., E331

Turner, C. H., E438
 Turner, J. P., E683
 Tyndall, G. L., E150

U

Uchimura, T., E1
 Umeda, F., E239
 Urban, R. J., E820

V

Vadlamudi, S., E731, E739
 Valego, N. K., E1076
 Van Cauter, E., E489, E878,
 E1006
 Vanecek, J., E85
 Varnier, M., E309
 Vary, T. C., E977
 Veldhuis, J. D., E478, E1106
 Viale, J. P., E753
 Villarreal, F. J., E426
 Vinten, J., E1059
 Vore, S., E478

W

Wagner, J. G., E155
 Wahren, J., E18, E583
 Wang, J., E361
 Warberg, J., E469
 Wasserman, D. H., E409
 Watanabe, T., E903
 Watt, P. W., E418
 Wegelius, U., E1000
 Weidner, M. D., E150
 Weinstein, S. P., E605
 Wentzel, L. S., E636
 White, A., E1076
 White, M., E759
 Wick, D. A., E804
 Widén, L., E948
 Wiggins, D., E208
 Williams, G., E852
 Wilson, C. M., E605
 Wilson, R. D., E409
 Winocour, P. D., E1017
 Wintour, E. M., E10
 Wolfe, R. R., E508, E649, E820
 Wood, T. L., E613
 Wormsley, K. G., E418

X

Xu, Y., E43

Y

Yang, C., E1095
 Yang, G., E793
 Yazaki, Y., E897
 Ye, J.-M., E960
 Yki-Järvinen, H., E27, E1000
 Young, M., E657
 Young, V. R., E884

Z

Zamir, N., E216
 Zanetti, M., E127
 Zawulich, K. C., E575
 Zawulich, W. S., E575
 Zehnder, T. J., E1076
 Zhang, Y., E804
 Zhang, Y.-Q., E846
 Zheng, D., E150
 Zhu, J.-S., E709
 Zinker, B. A., E409
 Zuo, Z., E253